



DEPARTMENT OF MECHANICAL ENGINEERING

### **KLU Industry Connect and Mechanical Engg Department organized a Pro-Talk**

**Speaker:** Mr. Damodar Sahu, Domain and Digital Strategist -Automotive Manufacturing Unit, Industry 4.0 Practitioner Wipro, USA

**Topic:** “Impact of Industry 4.0 on the Automotive Manufacturing Sectors: An Autonomous Vehicle Perspective” .He talked on INDUSTRY 4.0 and recent trends in Autonomous Vehicle,IOT,new developments in 3D printing, 5G Technology,AI,EDGE COMPUTING AND Global connectivity.

**Date & Time:** 10th September 2020 Thursday at 9:30AM

**Participants:** All mechanical 2<sup>nd</sup>,3<sup>rd</sup> ,final year students and Mechanical faculty

**Number of Attendee:** 531 mechanical students and 20 mechanical faculty

**Webex Link:**

<https://kluniversity.webex.com/kluniversity/j.php?MTID=m66f9facdb40a60209dc4ab3f07f2152>

#### Some Glimpses of Pro Talk



## TRENDS ON INDUSTRY 4.0 IN 2020 AND BEYOND:

- The Internet of Things (IoT)
- New Developments in 3D Printing
- Increased Efficiency With 5G
- Tools to Connect Employees to the Process
- More Use of Cloud Technology Optimizes Production
- Transformation in Product Design
- Lowering Energy Use
- Improvements in Artificial Intelligence (AI)
- Consumers Will Be More Connected to the Experience

Speaking: Damodar Sahu

The interface shows a video call in progress. At the top, it says 'Speaking: Damodar Sahu'. Below this is a large video window of Damodar Sahu, a man with glasses and a blue shirt, wearing a headset. To the right of his video is a grid of other participants, including icons for 'D', 'DP', and '1K'. At the bottom, there are controls for mute, video, and chat, along with participant names like 'dileep.kotte@gm...', 'KLEF Industry C...', 'Dr VSV Prabhakar', and '170070221'.

## 5 KEY TRENDS IN 2020

- 5G mobile network - **the next-gen mobile network**
- Edge computing
- Augmented reality (AR) Virtual reality (VR) and MR (Mixed reality)
- Global connectivity
- Digital Twin technology

A smaller video call interface showing Damodar Sahu speaking. It includes a video window of him, a name label 'Damodar Sahu', and control icons for mute, video, and chat.